

(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 29 July 2004 (29.07.2004)

PCT

(10) International Publication Number WO 2004/063936 A1

(51) International Patent Classification7:

G06F 15/16

(21) International Application Number:

PCT/US2003/040372

(22) International Filing Date:

18 December 2003 (18.12.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/437,815

3 January 2003 (03.01.2003)

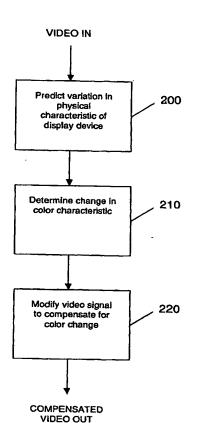
- (71) Applicant (for all designated States except US): THOM-SON LICENSING S.A. [FR/FR]; 46, Quai A. Le Gallo, F-92648 Boulogne (FR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): GOROG, Istvan

[US/US]; 1275 Wheatland Avenue, Lancaster, PA 17603 (US). BARBIN, Robert, Lloyd [US/US]; 2656 Riceville Drive, Henderson, NV 89052 (US).

- (74) Agents: TRIPOLI, Joseph, S. et al.; c/o Thomson Licensing Inc., Two Independence Way, Suite 200, Princeton, NJ 08540 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,

[Continued on next page]

(54) Title: SYSTEM FOR MAINTAINING WHITE UNIFORMITY IN A DISPLAYED VIDEO IMAGE BY PREDICTING AND COMPENSATING FOR DISPLAY REGISTER CHANGES



WO 2004/063936 A1

(57) Abstract: A system for correcting a color characteristic of an image displayed in response to a video signal involves processing the video signal for predicting a variation in a physical characteristic of a display device displaying the image, processing the video signal for determining a change in the color characteristic occurring in response to the variation in the physical characteristic, and modifying the video signal for compensating for the change in the color characteristic.